

subgenital plate had shriveled, making the apical area character ambiguous. With this exception, the presence (female) or absence (male) of an apicolateral emargination of the subgenital plate is a diagnostic character for gender determination in *C. punctulatus*.

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Arthur G. Appel, *Department of Entomology and Alabama Agricultural Experiment Station, Auburn University, Alabama 36849-5413.*

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Sex and Deposition of the Holotype of
Bareogonals canadensis (Harrington)
(Hymenoptera: Trigonalyidae)

Prior to 1900 the yellowjacket parasitoid *Bareogonals canadensis* (Harrington) was known only from the holotype collected in 1893 at Victoria, British Columbia (Harrington, 1896. *Canad. Entomol.* 28: 108), and 27 specimens collected on Gabriola Island in 1897 by Taylor (1898. *Canad. Entomol.* 30: 14-15). The present deposition of 19 of these 28 specimens is known (Table 1). The holotype was reported lost by Townes (1956. *Proc. U.S. Nat. Mus.* 106: 295-304) but Sarazin (1986. *Canad. Entomol.* 118: 957-989) claimed that the holotype is in the Canadian National Collection (CNC). From a study of the pre-1900 material, I conclude that the true holotype is in the Zoologisches Museum der Humboldt-Universitaet (Berlin).

Harrington (1896) described the holotype as a male. Taylor (1898) reversed the sexes of his series and Harrington accepted this mistake. Harrington erroneously stated that the holotype was a female, and described the "male" sex using three females (autotypes) (Harrington, 1898. *Canad. Entomol.* 30: 15-16). Harrington's error, though noted by Schulz (1907a. *In* Wytzman, *Genera Insectorum* 61: 24 pp.), has been perpetuated by others, including Carlson (1979.

1197-1198. *In* Krombein et al. *Catalog of Hymenoptera in America north of Mexico*. Vol. I. Smithsonian: Wash., D.C. 1198 pp.) and Sarazin (1986).

The deposition of all four males from Taylor's series is known (Table 1) but at the Zoologisches Museum der Humboldt-Universitaet (Berlin) a fifth male has labels from Taylor's series with a date (24 Oct 1897) on which only females were collected. Schulz [1907b, (1906). *Berl. Entomol. Zeit.* 51: 303-333] said he received the "typischen Pärchen" (typical pair). This fifth male fits the holotype description; apparently its original labels have been switched with the labels on one of the three autotypes to correspond with Harrington's 1898 statement that the holotype is a female. The holotype currently has labels that read: "Gabriola Isd. B.C., Taylor, 24-10-97 [Taylor's handwriting]/*Trigonalyis canadensis* Harrington, Type ♂ [Harrington's handwriting]/ *Zool. Mus., Berlin.* [printed label]." The holotype labels, now on the autotype, read: "Victoria V.I. [no date, Harrington's handwriting]/ *Trigonalyis canadensis* Harrington, Type ♀ [Harrington's handwriting]/ *Zool. Mus., Berlin.* [printed label]."

Two autotypes at the Canadian National Collection (CNC, Ottawa), with locality and

Table 1. Specimens of *Bareogonatos canadensis* collected from Gabriola Island, B.C., Canada, in October, 1897.

Date ¹	Number and Sex ¹	Deposition
21 Oct	9 females	3 at Canadian National Collection (CNC) (1 with yellow paratype label) 1 H. Townes, Gainesville, Florida
22 Oct	3 females 3 males	2 at CNC 1 at Humboldt
23 Oct	2 females	1 at CNC
24 Oct	4 females	2 at CNC 1 at Humboldt female at Humboldt with Victoria label (no date) actually is autotype from this date ² (male at Humboldt labeled with this date and locality is holotype collected in 1893 ³)
25 Oct	2 females 1 male	2 at CNC H. Townes, Gainesville, Florida
26 Oct	2 females	1 at CNC 1 at Washington State University
27 Oct	1 female	CNC (With red holotype label ²)

¹ This information from Taylor (1898) but corrected for gender.

² Type labels at CNC added to autotypes.

³ Labels of these two specimens switched.

date labels from Taylor's series, have holotype and paratype labels. The 'holotype,' which has a type label in Harrington's handwriting, is dated 27-10-97 but this was apparently interpreted as 27-IX-93 by the person that added the holotype label and again by Sarazin (1986). Harrington (1896) stated the holotype was received by a collector in September 1893, but did not say when it was collected.

Harrington's original "Victoria, V.I." label has been placed on the holotype and the 24-10-97 label of Taylor has been placed on the autotype at the Humboldt museum. The two type specimens in the CNC should be relabeled as autotypes.

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David Carmean, *Department of Entomology, Oregon State University, Corvallis, Oregon 97331.*